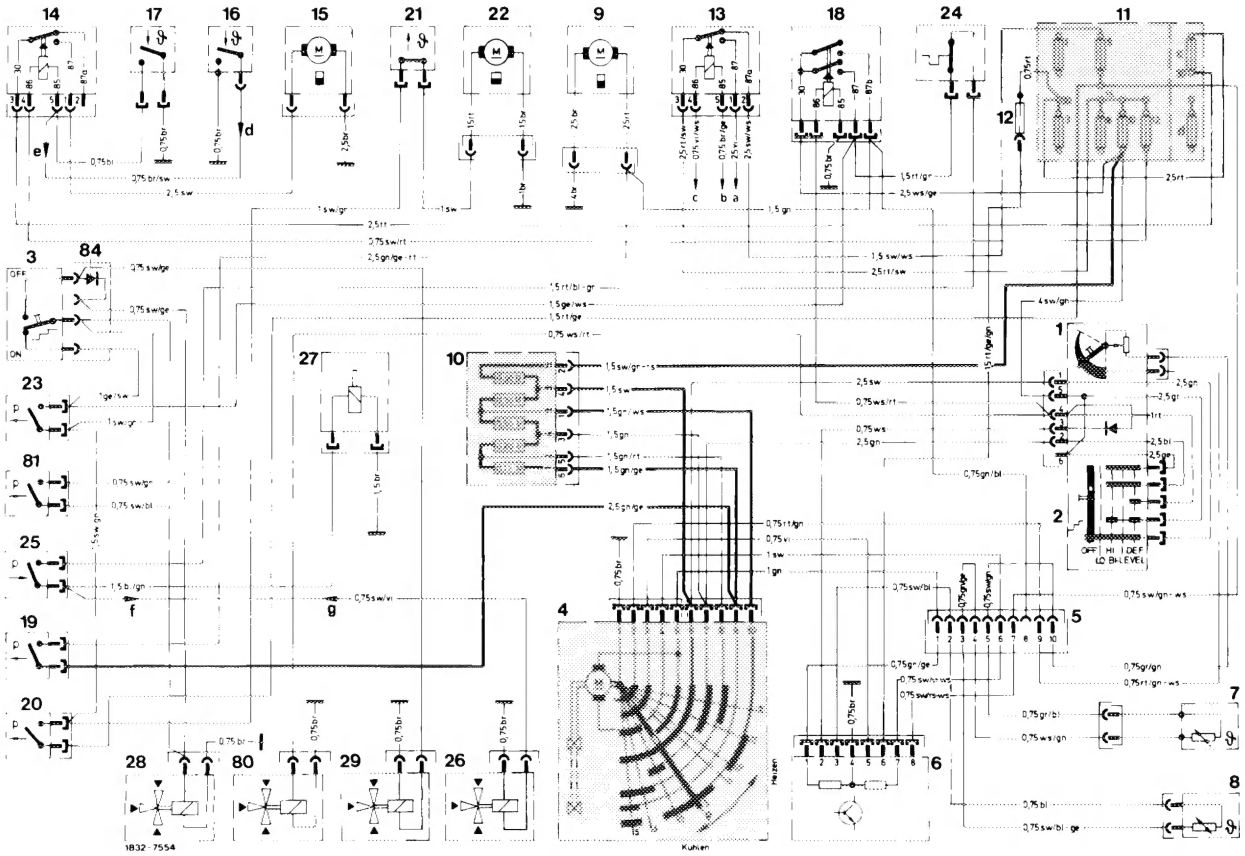
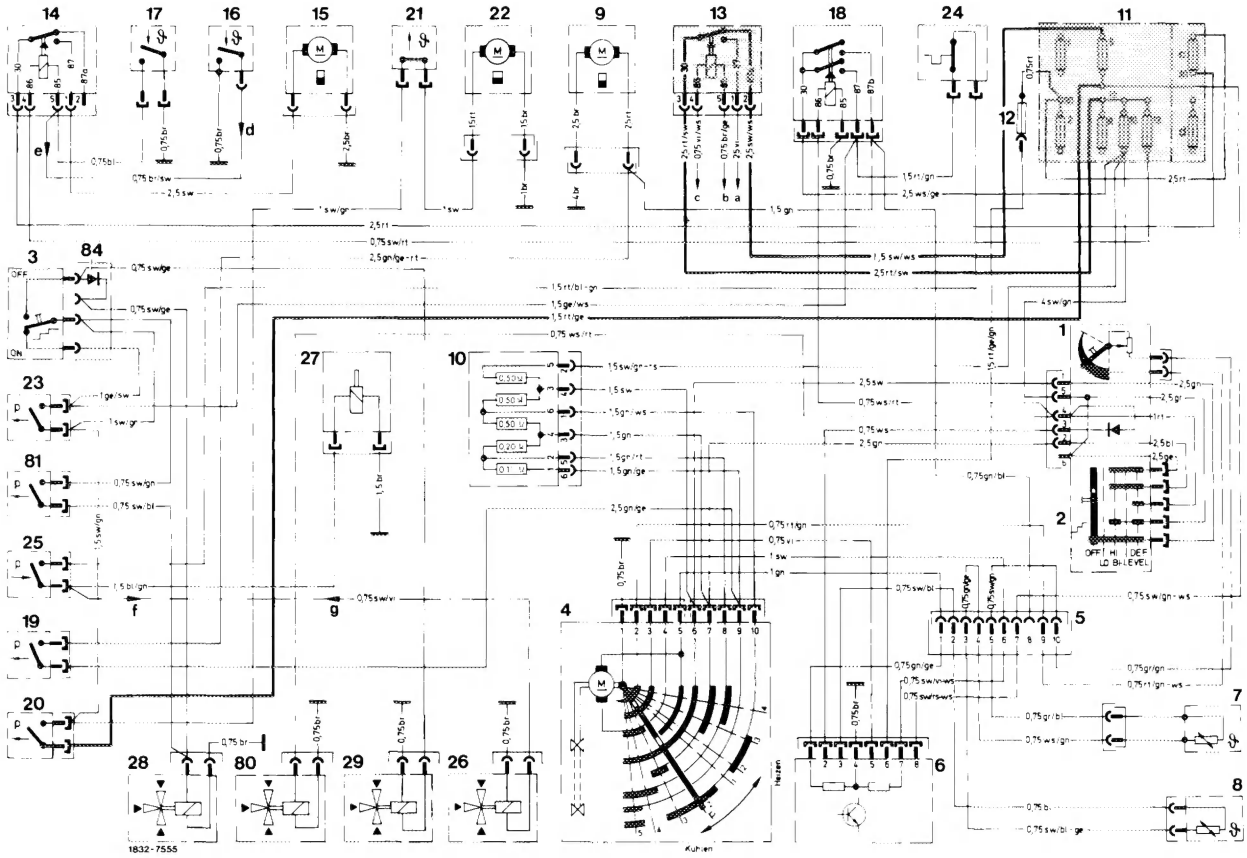


Wiring diagram 1
Blower control (regulating valve in position "P 2")

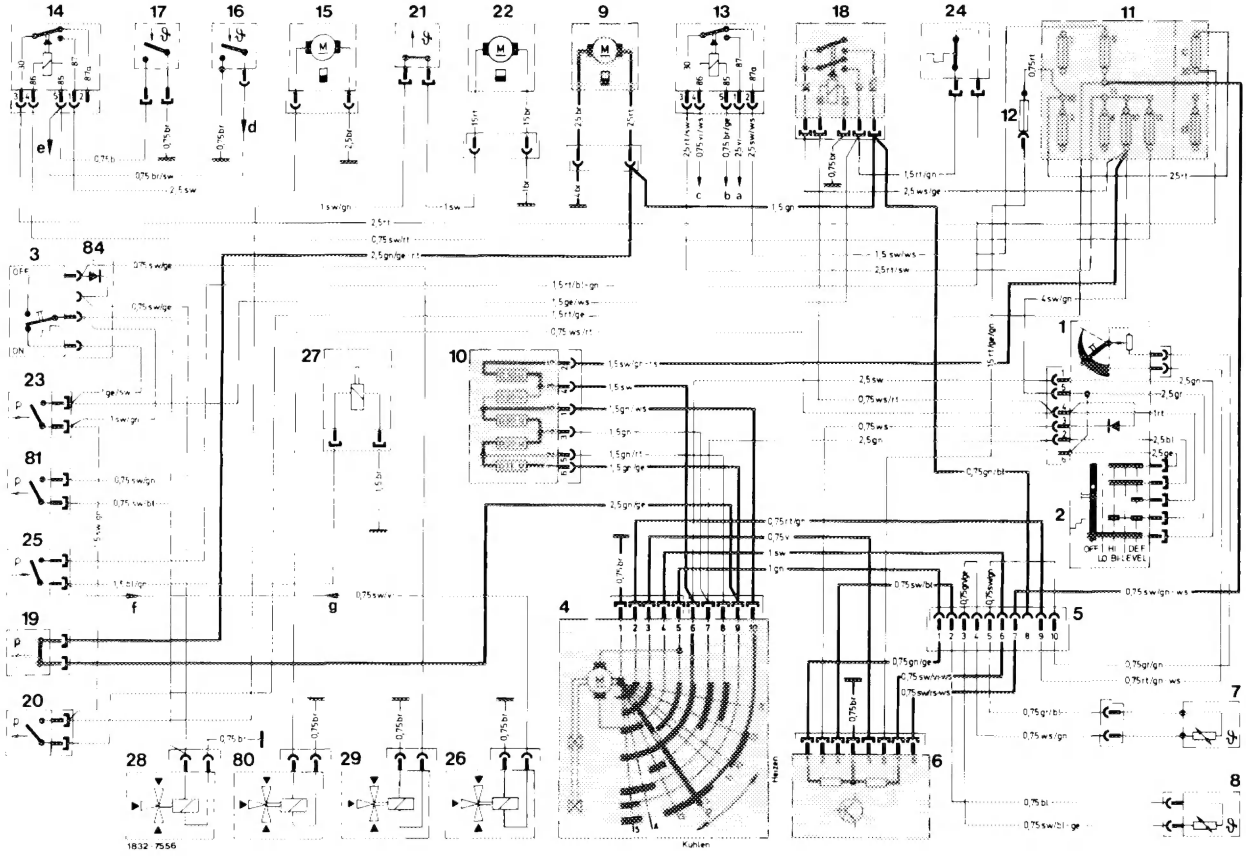
1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 1a

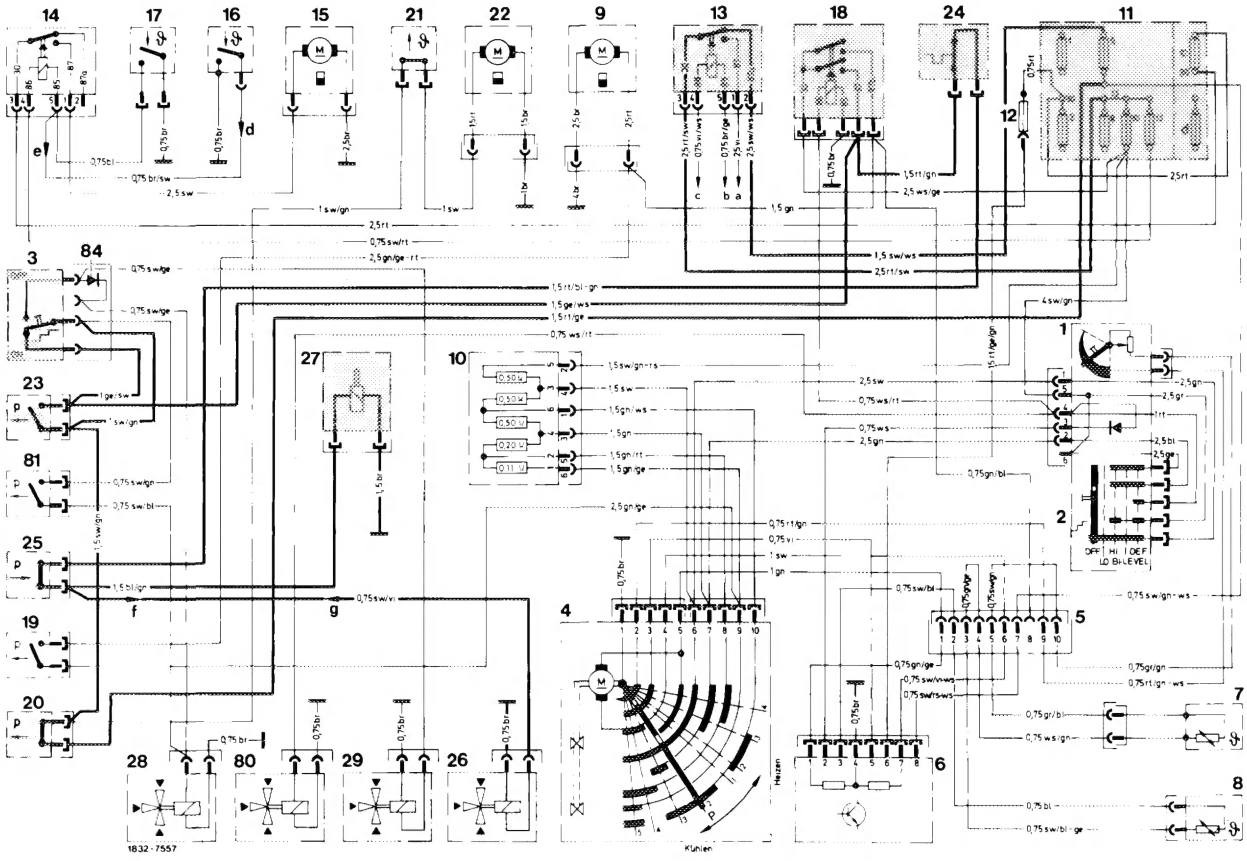
Refrigerant compressor control

1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 2
Blower control, position "park" and "AUTO-LO" (regulating valve in position "P 2")

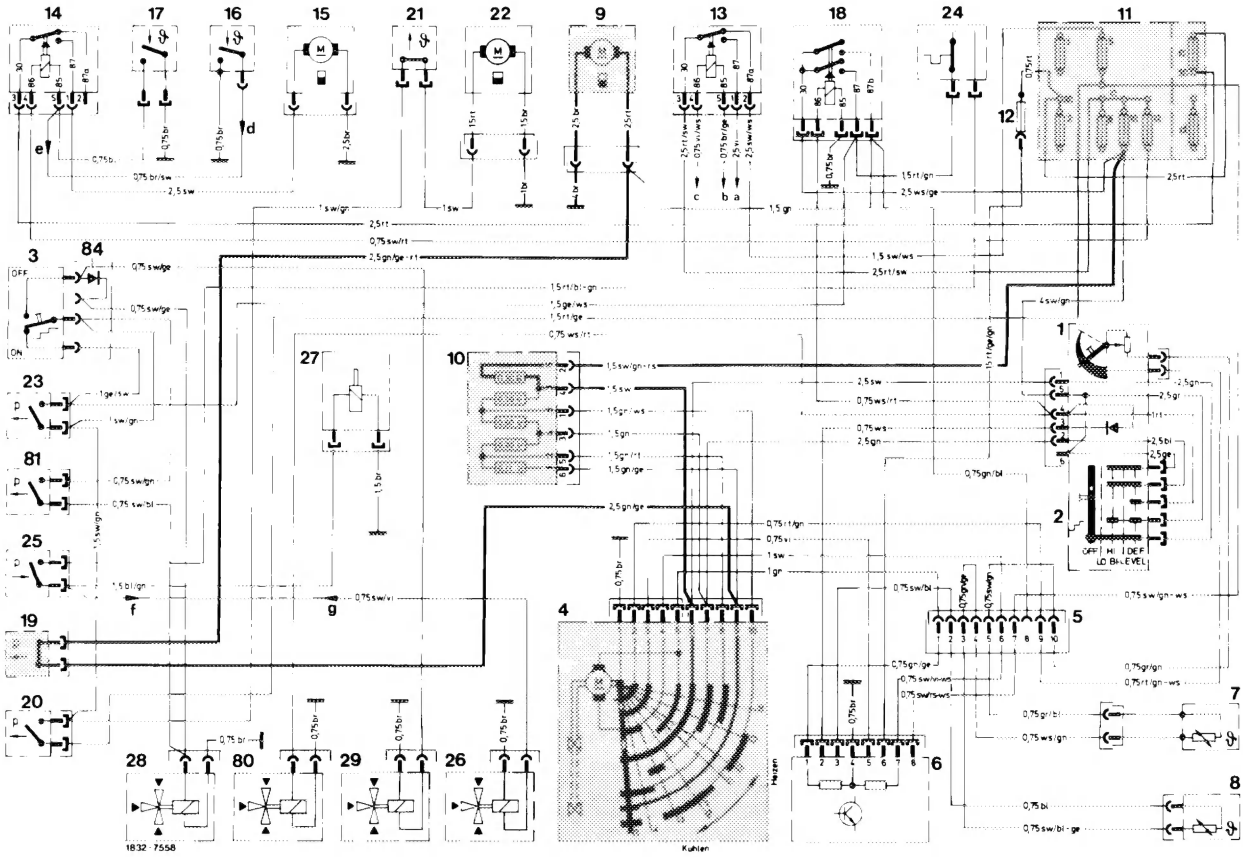
1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 2

Refrigerant compressor control

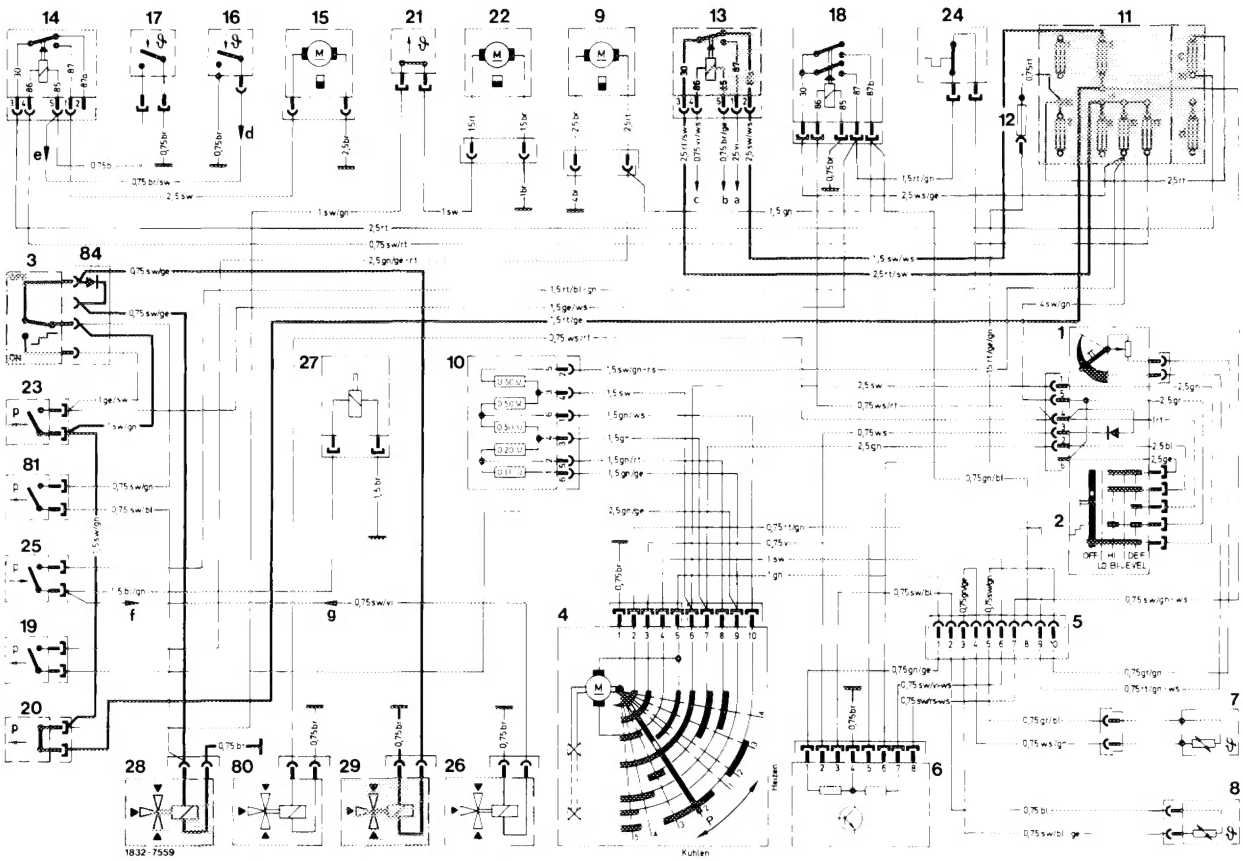
1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 3

Blower control, stage 5 "LO" (regulating valve in position 5)

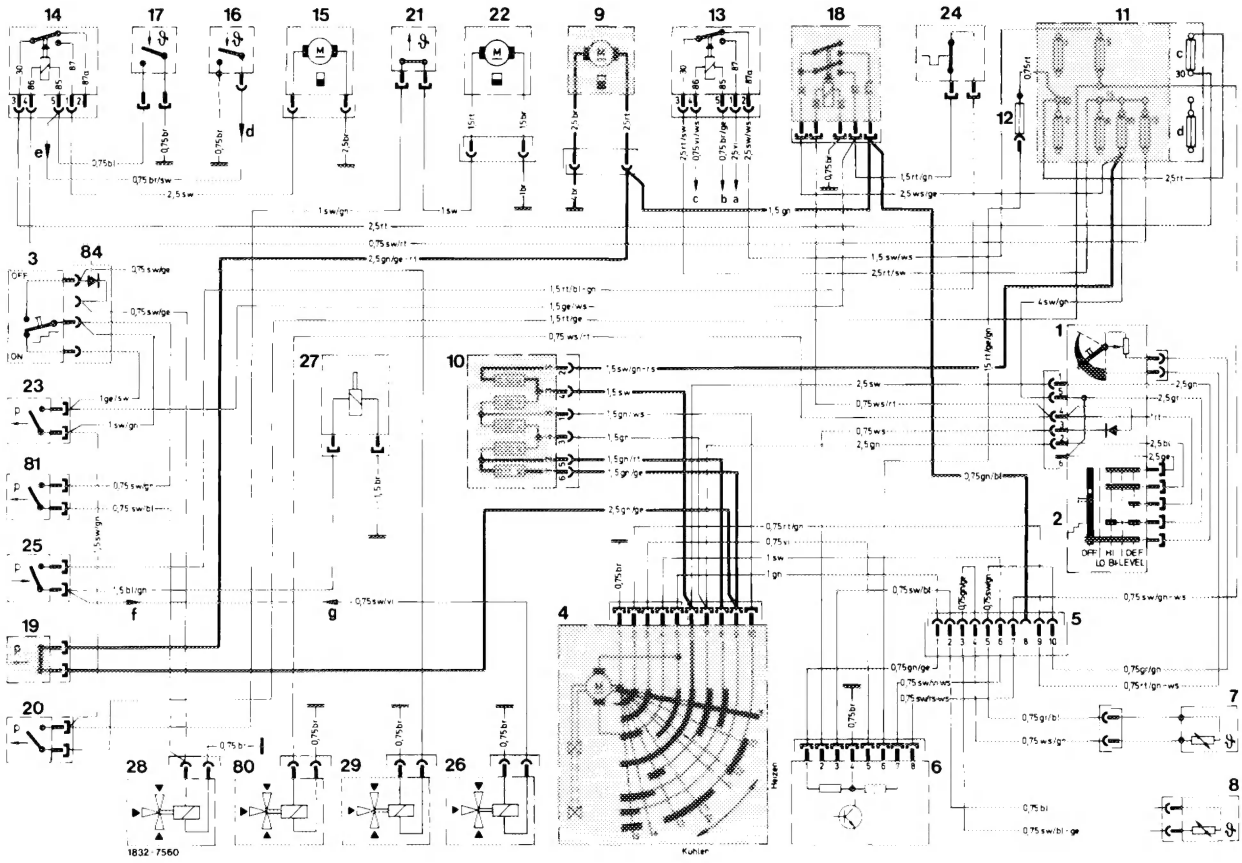
1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 4

Control for switchover valves 28 and 29 (switch 3 for refrigerant compressor at "OFF")

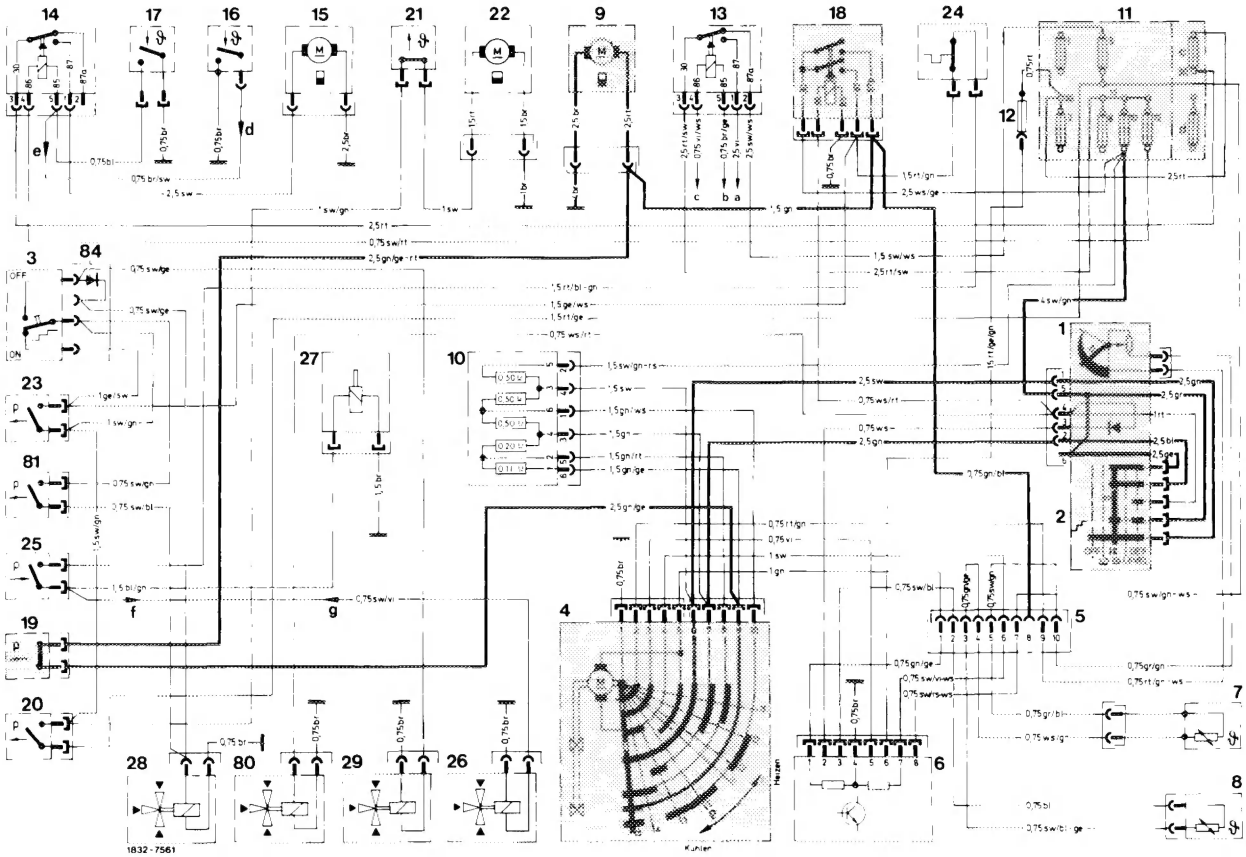
1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 5

Blower control, stage 4 "LO" (regulating valve in position 4)

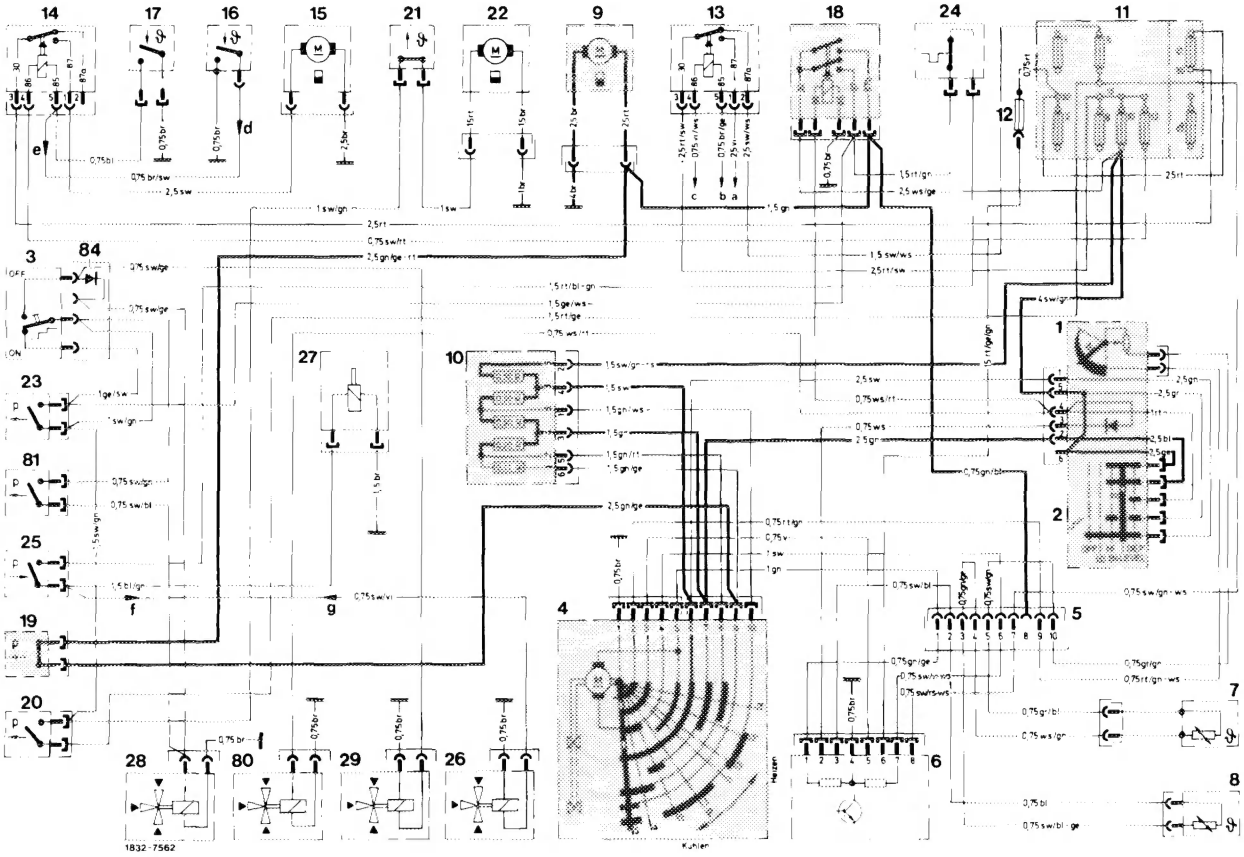
1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 6

Blower control, stage 3 "HI" (regulating valve in position 5)

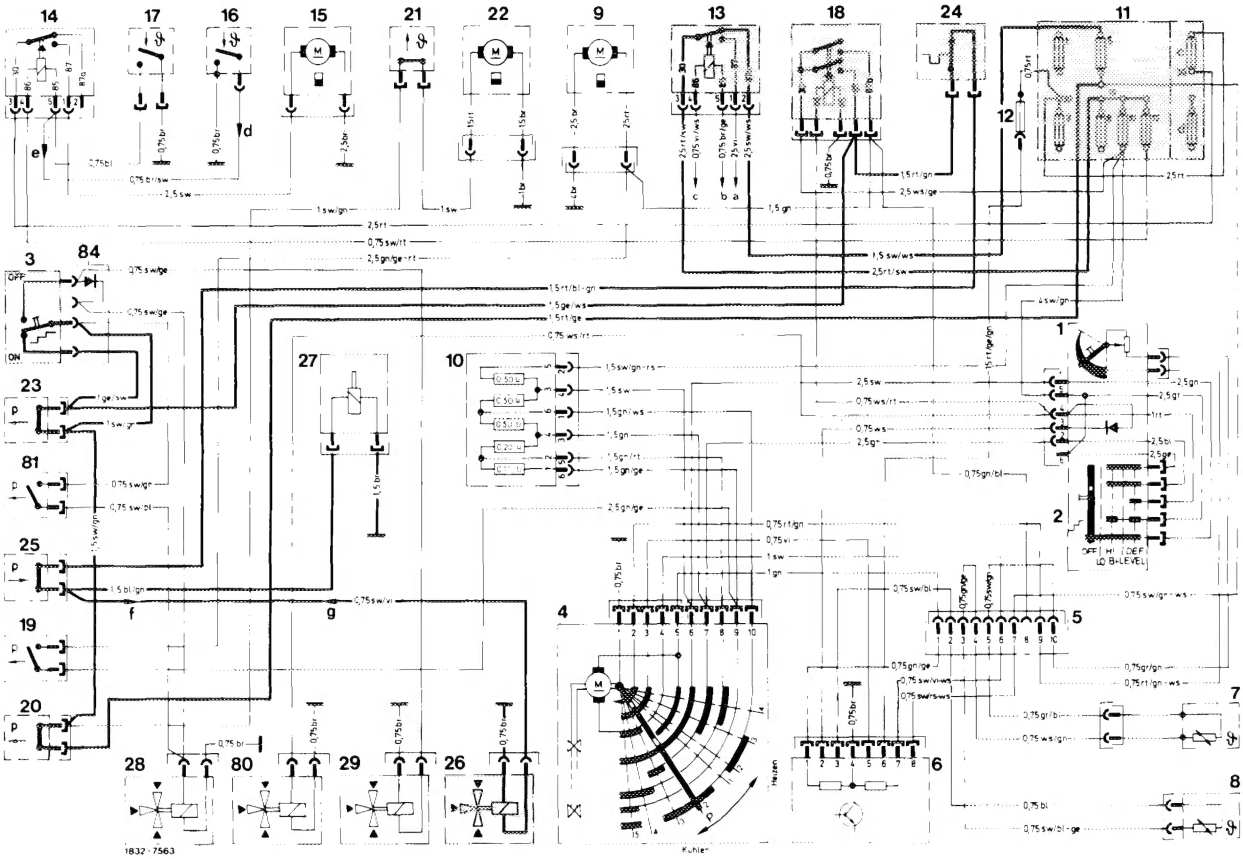
1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 7

Blower control, stage 2 "BI-LEVEL" (AC), (regulating valve in position 5)

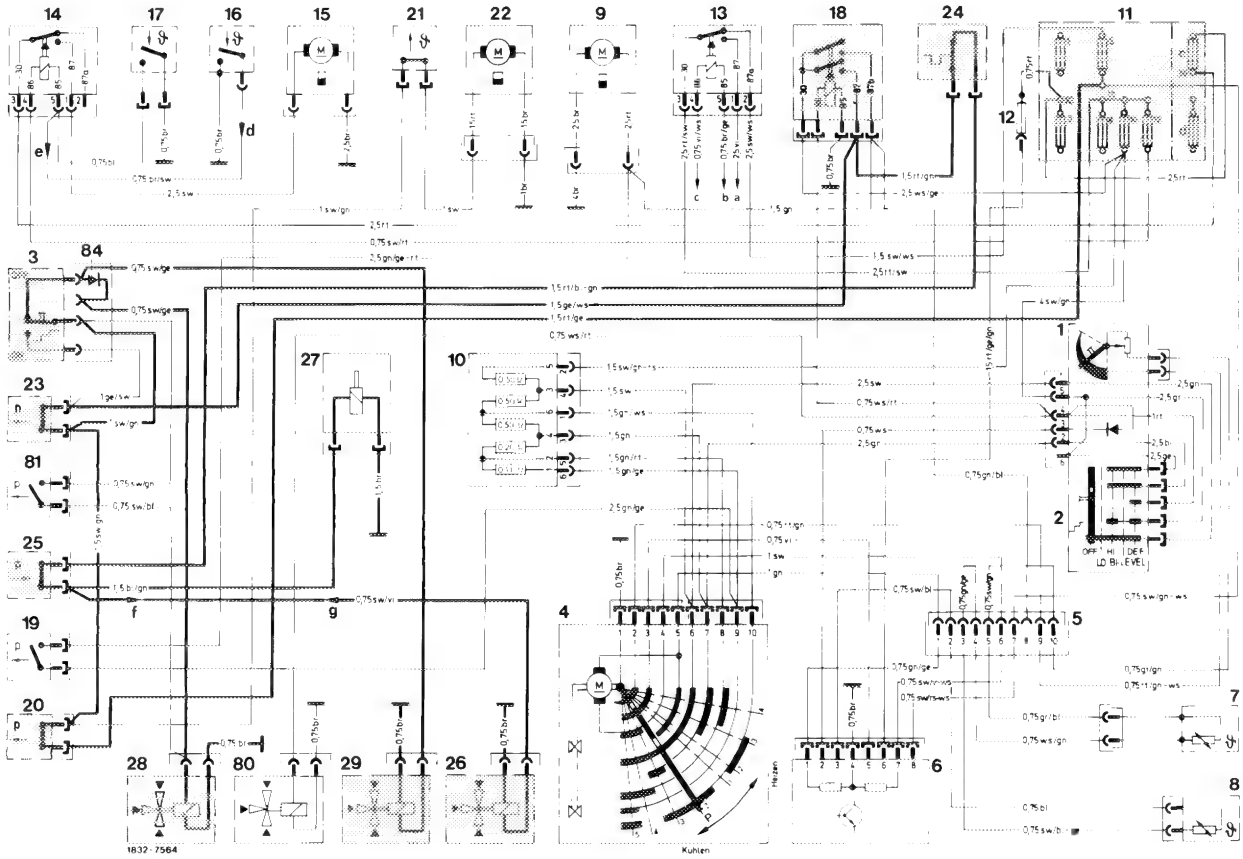
1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 8

Refrigerant compressor control at "BI-LEVEL" (switch 3 for refrigerant compressor at "ON")

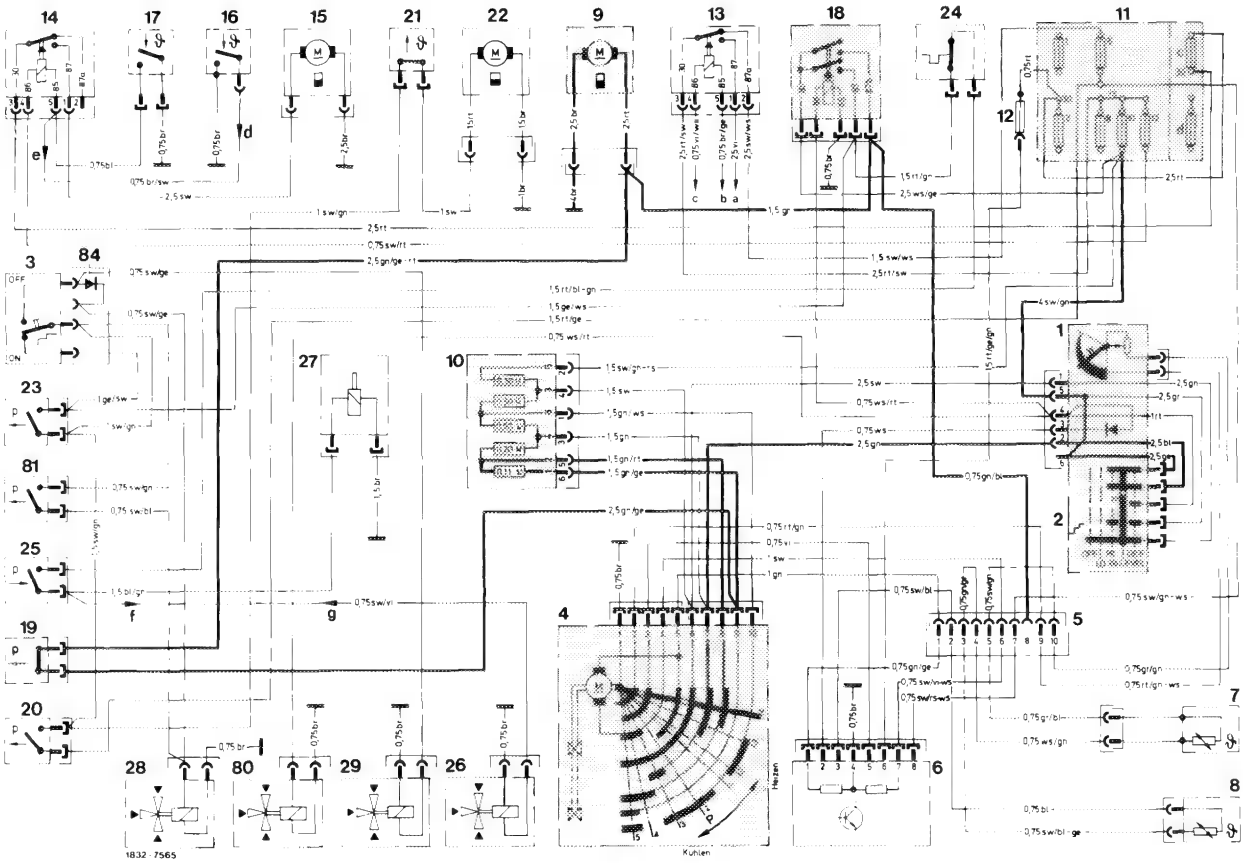
1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 8 a

Refrigerant compressor control at "BI-LEVEL" (switch 3 for refrigerant compressor at "OFF")

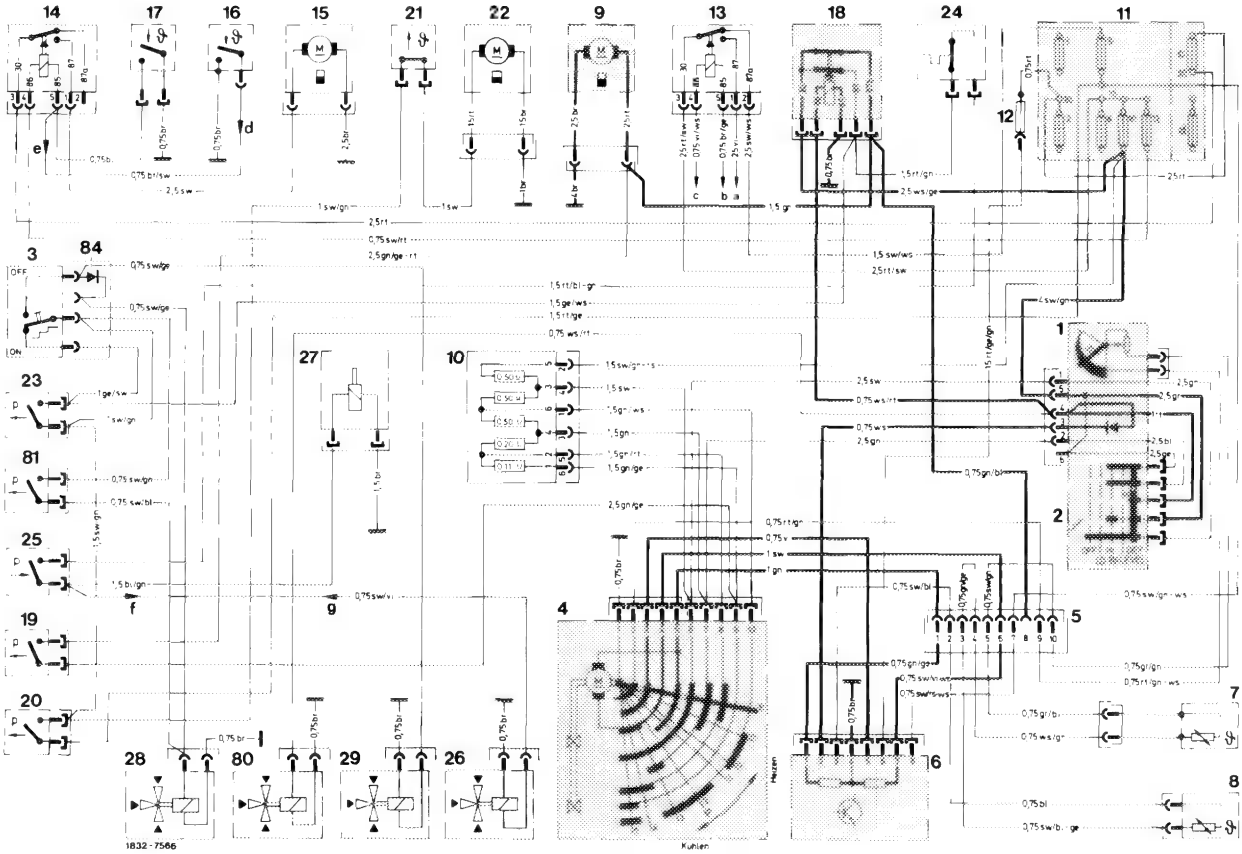
1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at ' BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 9

Blower control, stage 2 "BI-LEVEL" (heat), (regulating valve in position 4)

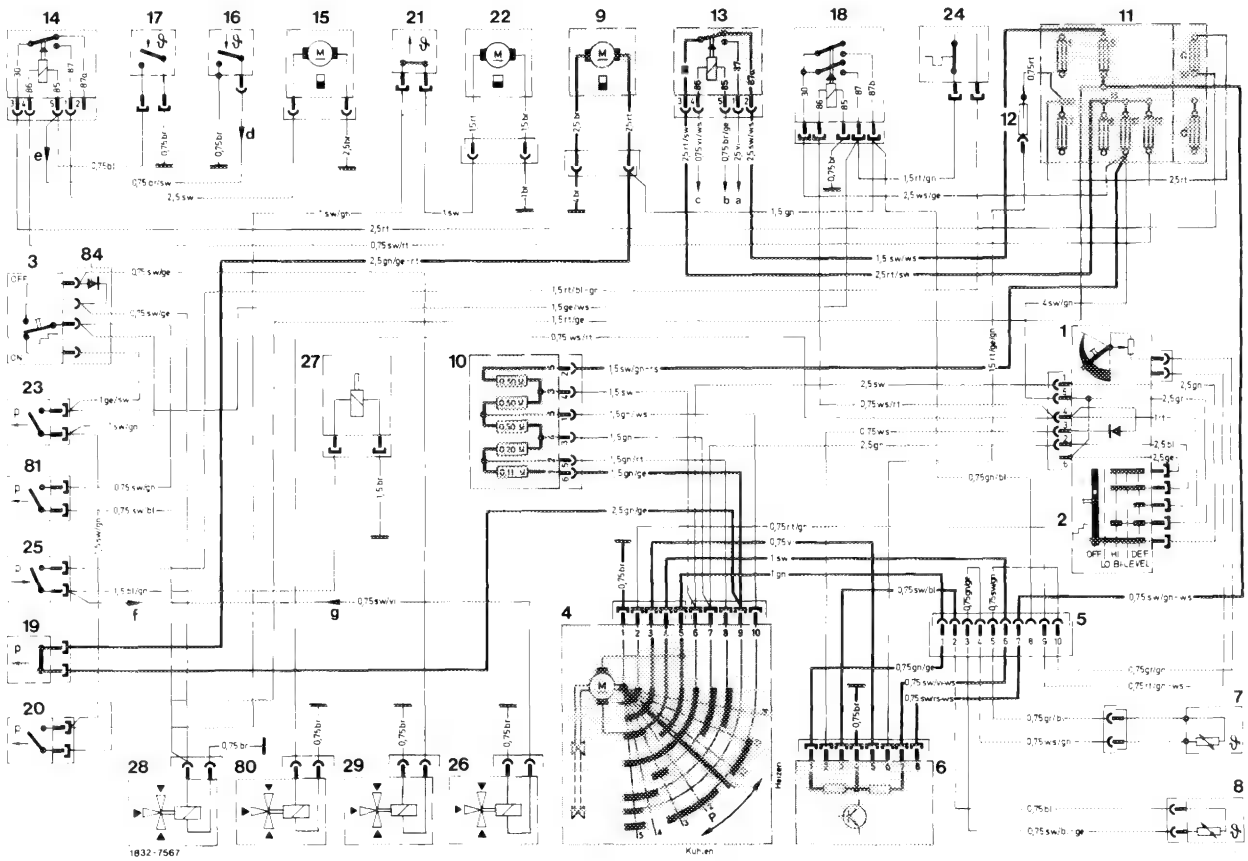
1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 10

Blower control, stage 4 "DEF" (regulating valve in position 4)

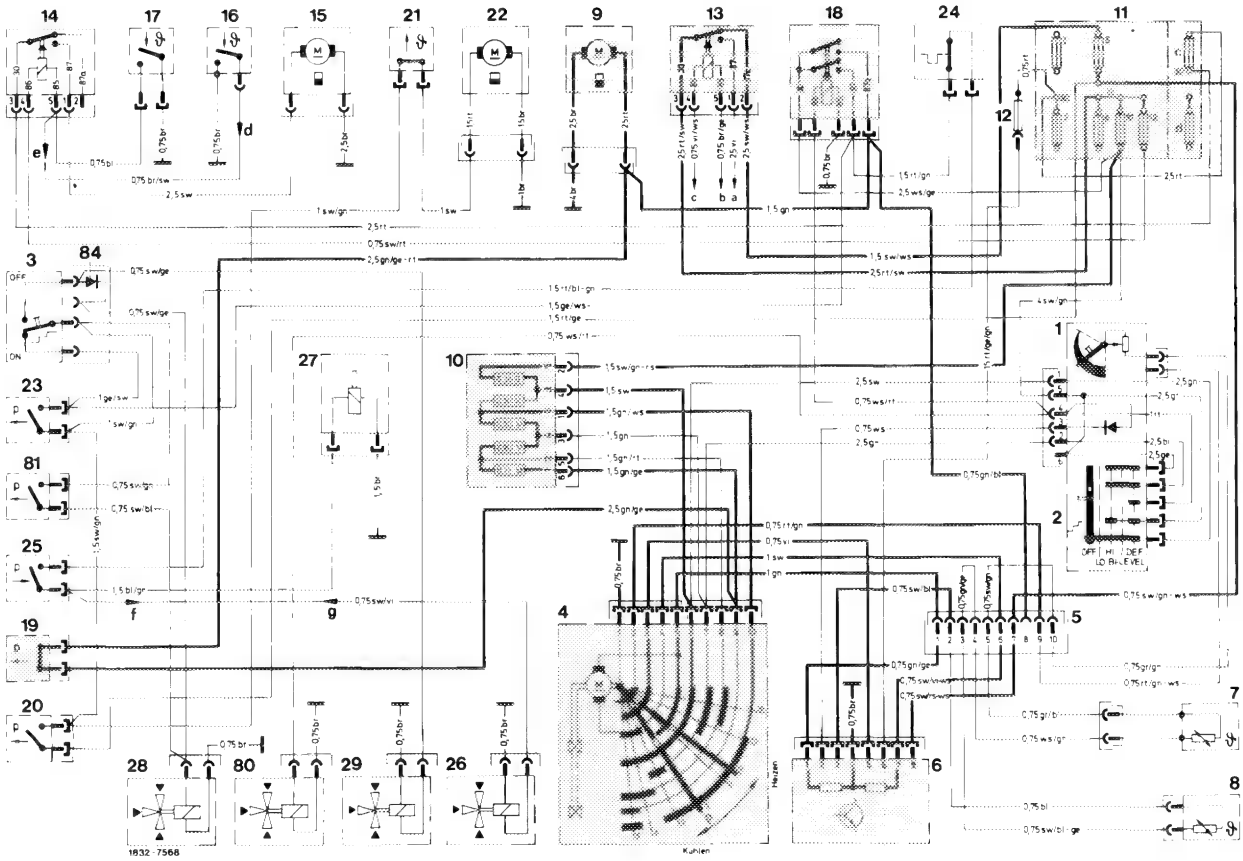
1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 11

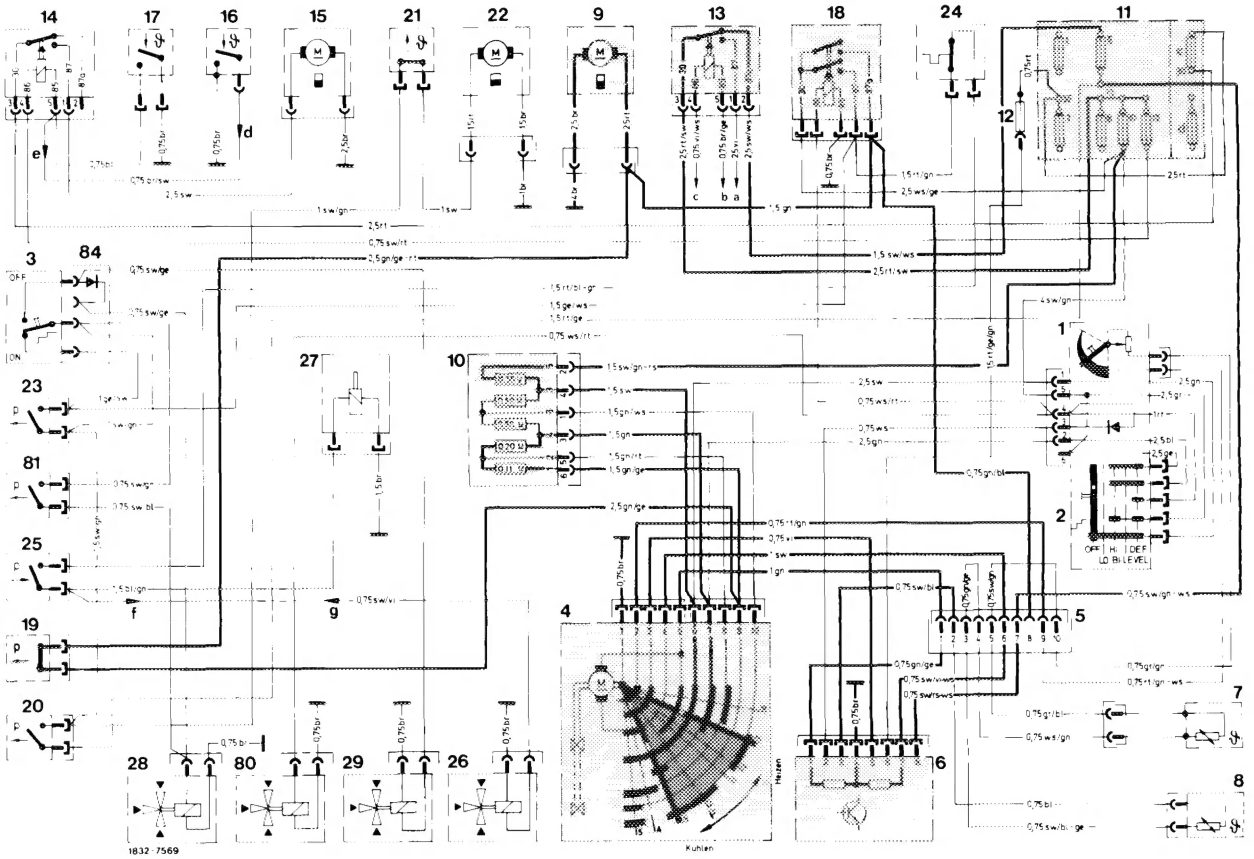
Blower control, stage 1 "LO" (regulating valve in position 1)

1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 12
Blower control, stage 2 "LO" (regulating valve in position 2)

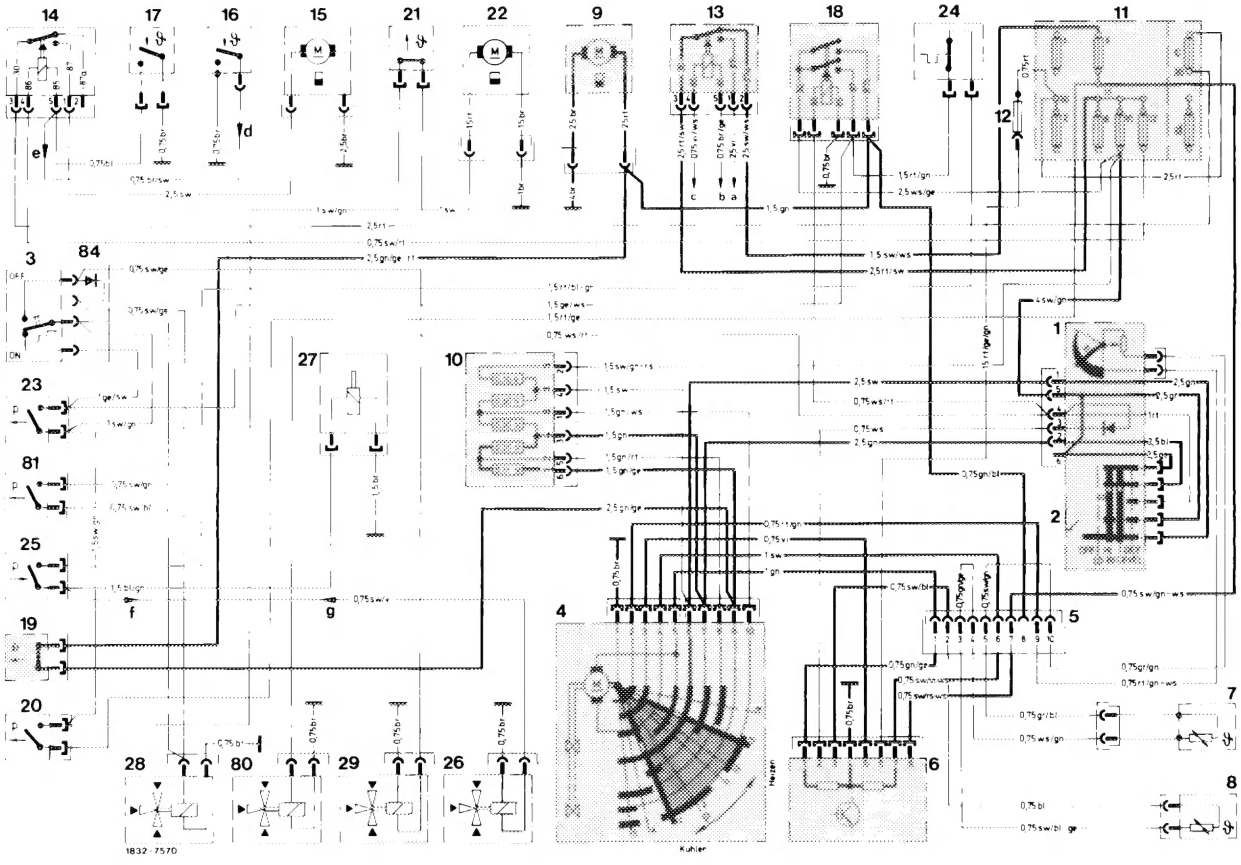
1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 13

Blower control, stage 3 "LO" (regulating valve in position 3)

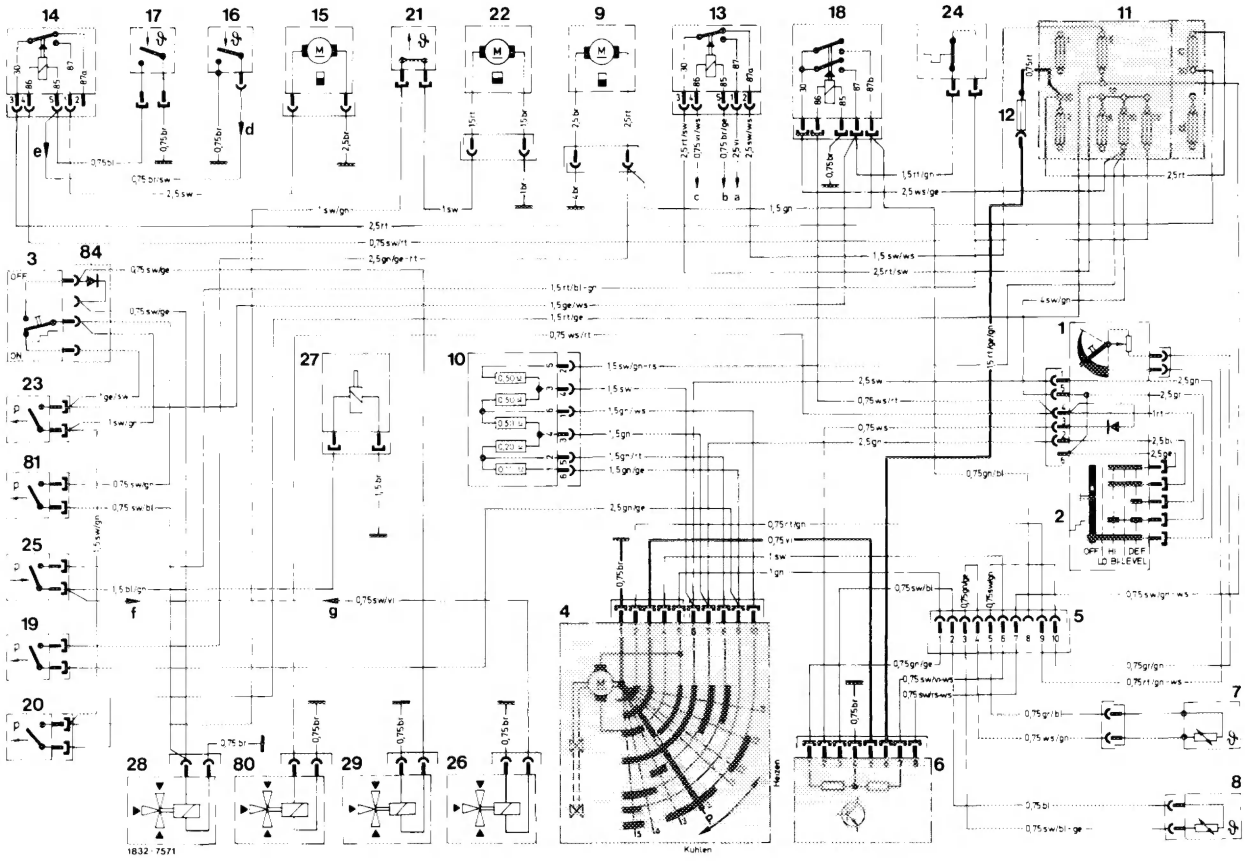
1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 14

Blower control, stage 1 "HI" and "BI-LEVEL", (regulating valve in position 3 "heating" to position 3 "cooling")

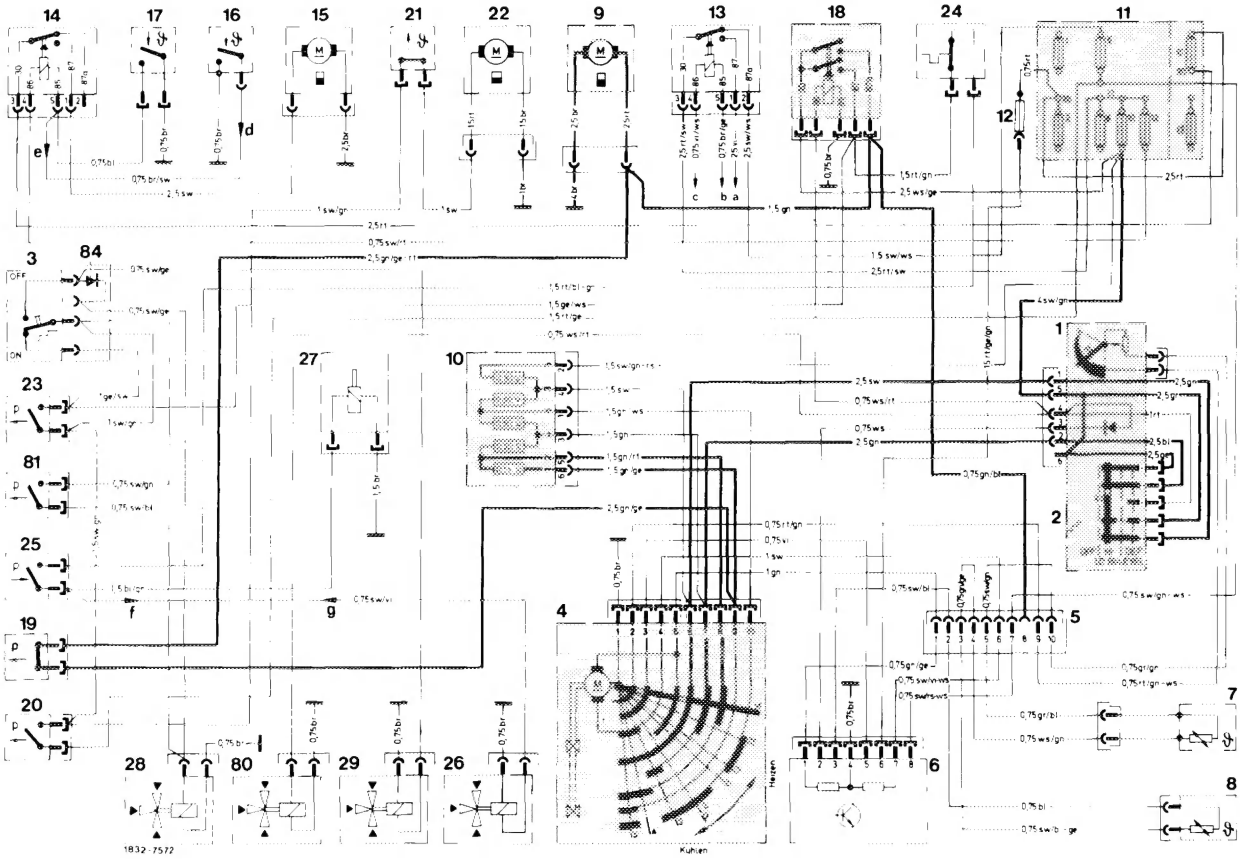
1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 15

Regulating valve control (ignition off, regulating valve in position "P 2")

1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)



Wiring diagram 16

Blower control, stage 2 "HI" (regulating valve in position 4)

1 Temperature dial
2 Pushbutton switch
3 "ON/OFF" switch refrigerant compressor
4 Regulating valve
5 10-point plug connection for tester
6 Amplifier
7 In-car temperature sensor
8 Ambient temperature sensor
9 Blower
10 Pre-resistance for blower
11 Main fuse box
Fuse 5 : 8 amps (standard fuse 86)
Fuse 10 : 16 amps
Fuse 12 : 8 amps
Fuse c : 16 amps
12 Additional fuse for amplifier (2 amps)
13 Relay air conditioning system
14 Relay auxiliary fan
15 Auxiliary fan
16 Temperature switch 100 °C (212 °F) in thermostat housing for auxiliary fan
17 Temperature switch 62 °C (142 °F) in receiver dehydrator for auxiliary fan
18 Double contact relay
19 Vacuum switch (main switch, closes with vacuum higher than 175 mbar or 0.18 atu)
20 Vacuum switch (refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu)
21 Temperature switch for heating water pump (22) 16 °C (61 °F) ON, 26 °C (79 °F) OFF
22 Heating water pump
23 Vacuum switch (for refrigerant compressor, closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
24 ETR-switch 2 °C (36 °F)
25 Pressure switch refrigerant compressor
ON 2.6 bar gauge pressure (2.6 atü)
OFF 2.0 bar gauge pressure (2.0 atü)
26 Switchover valve for constant speed (engine 110.984 only)
27 Electromagnetic clutch for refrigerant compressor
28 Switchover valve for vacuum element of legroom flaps
29 Switchover valve for vacuum element of fresh air-recirculated air flap
80 Switchover valve "BI-LEVEL" (at "DEF")
81 Vacuum switch (closes with vacuum higher than 78.5 mbar or 0.08 atu, at "BI-LEVEL" only)
84 Diode
a Cable connector starter terminal 50
b Starter lockout and back-up lamp switch
c Ignition starter switch terminal 50
d Via relay ignition switchover terminal 85 } engine
e Via relay decoupling terminal 30 } 110.984 only
f Via relay ignition switchover terminal 87a } (countries with
g Via relay ignition switchover terminal 30 } emission control)